

Figure 1

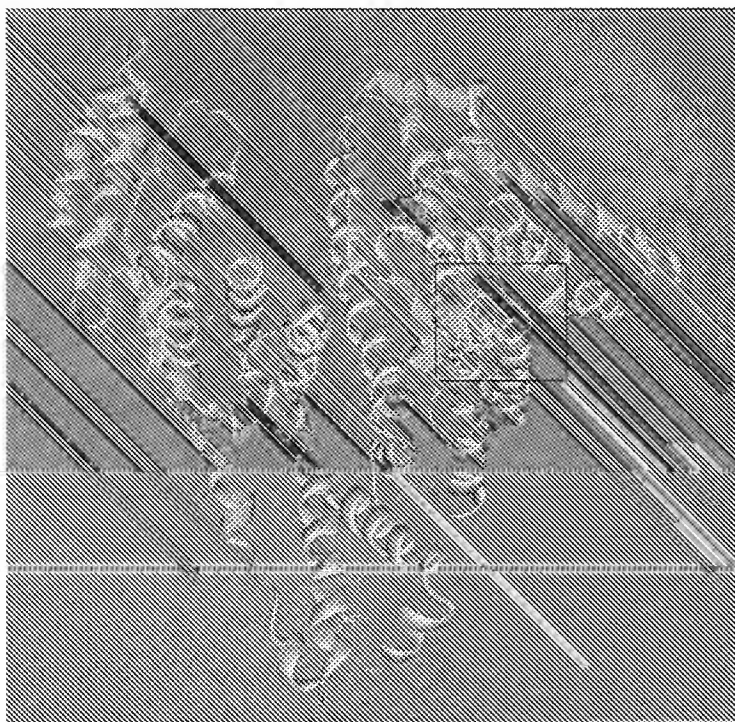


Figure 2

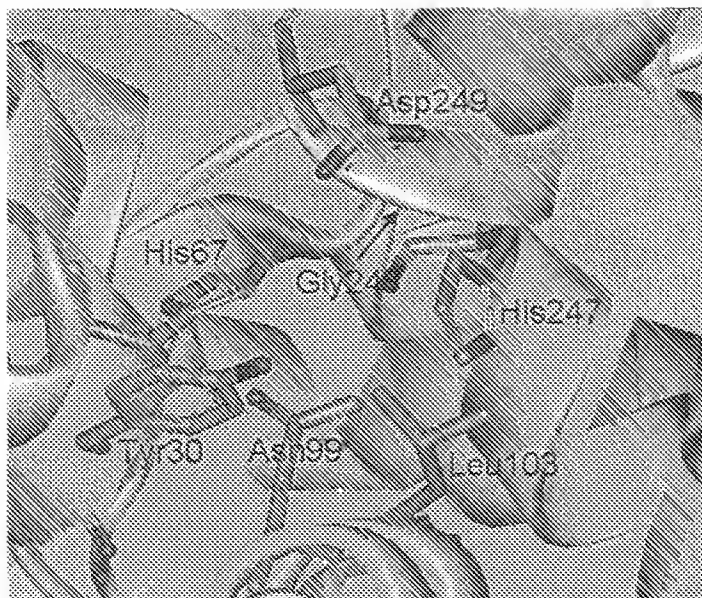


Figure 3a

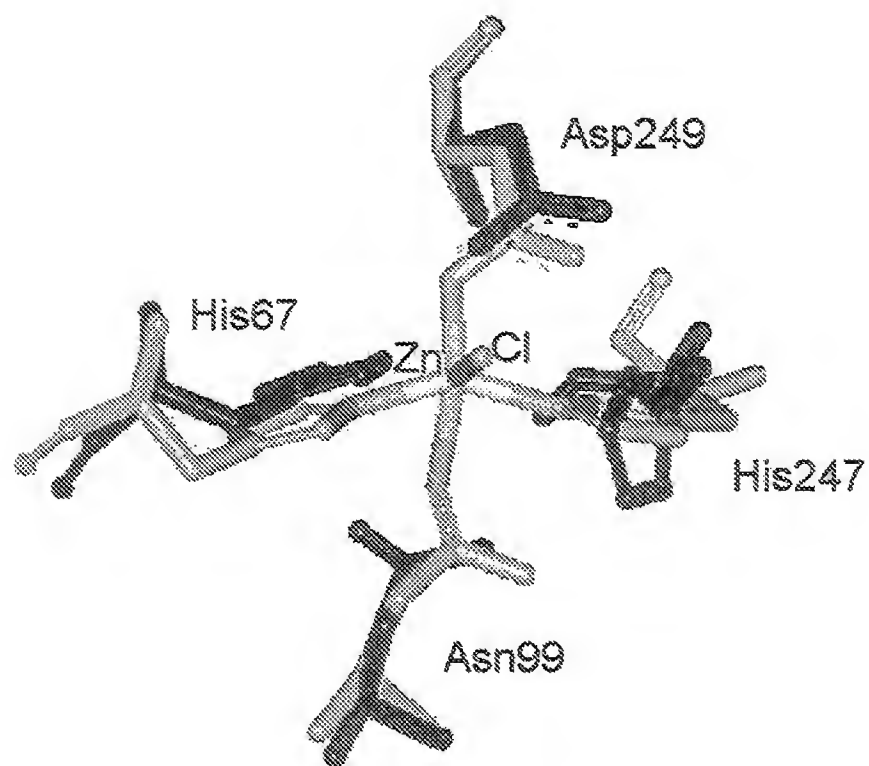


Figure 3b

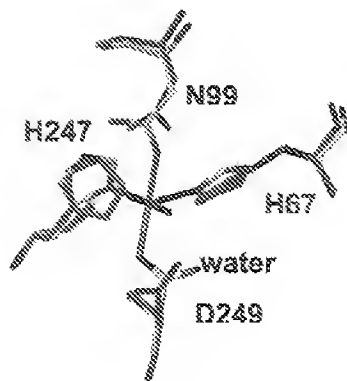
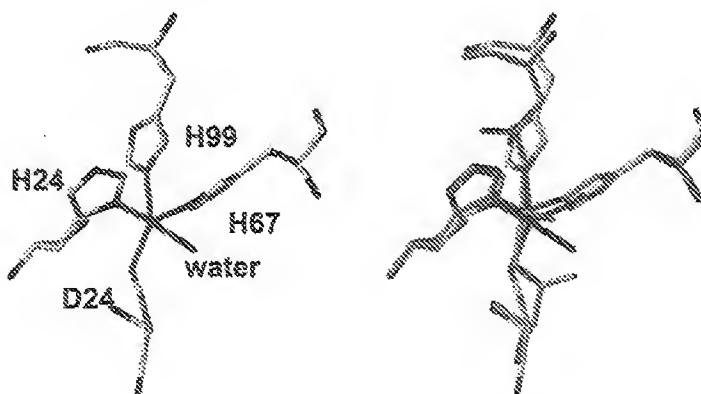


Figure 3c



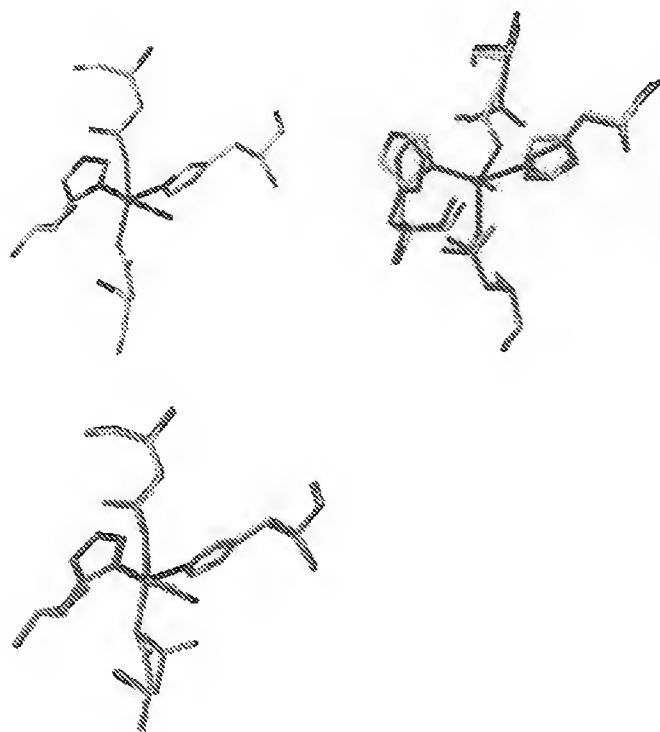


Figure 3d

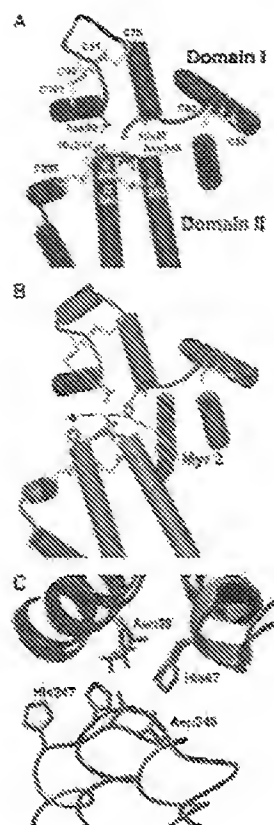


Figure 4

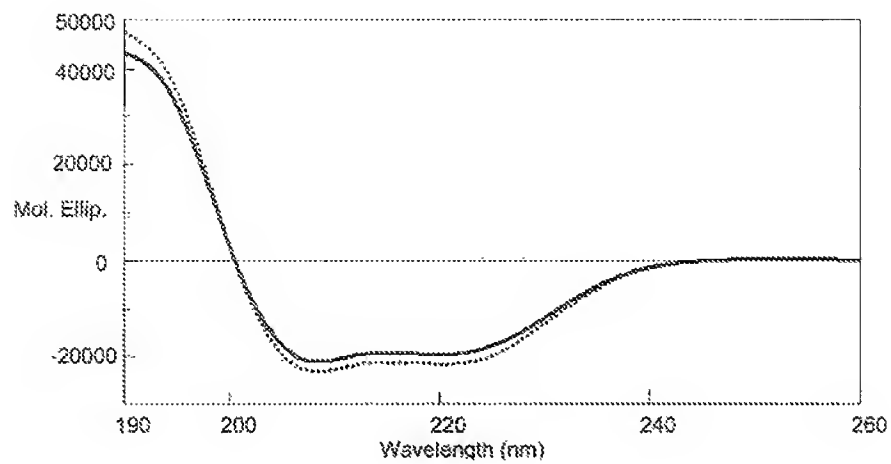


Figure 5

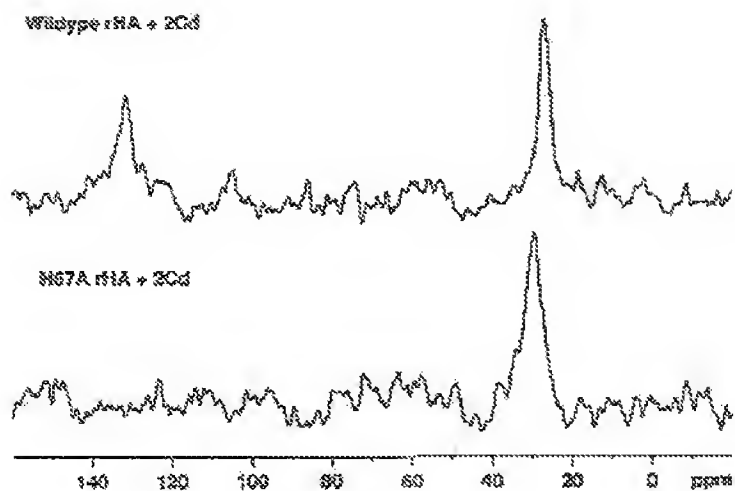


Figure 6

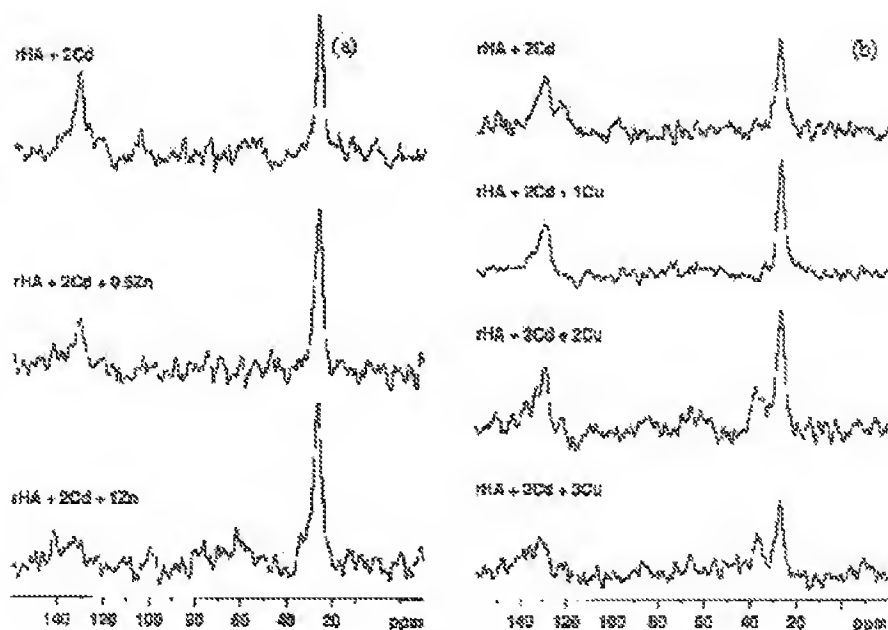


Figure 7

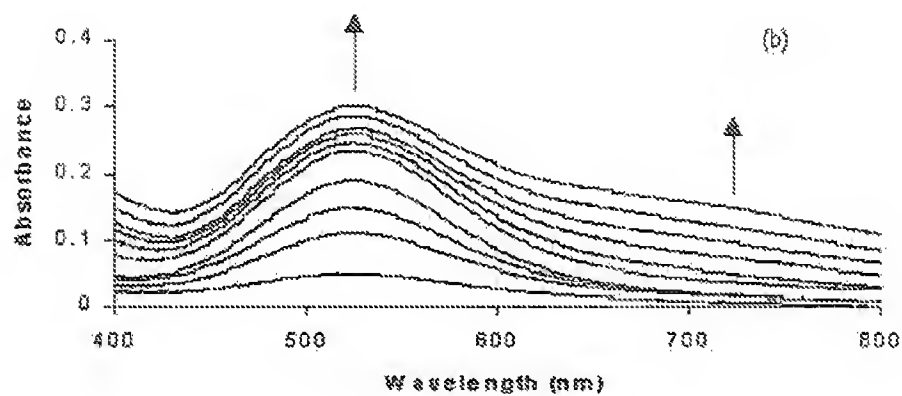
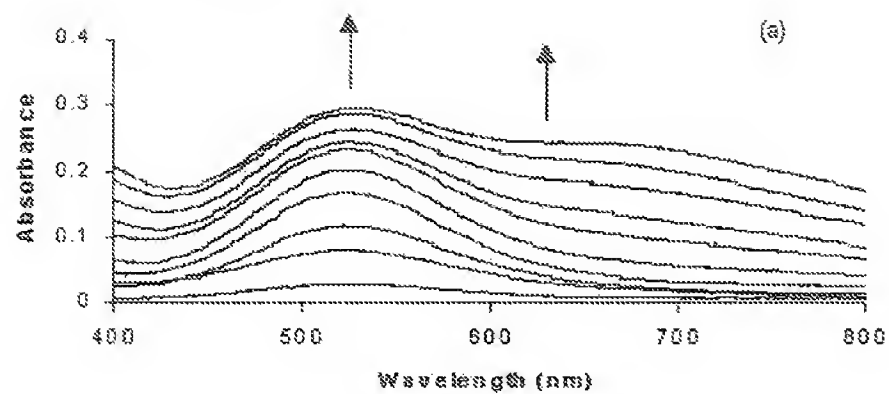


Figure 8

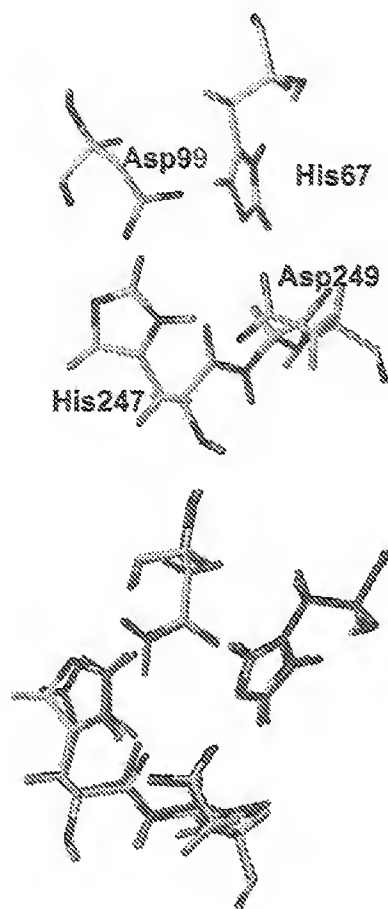


Figure 9

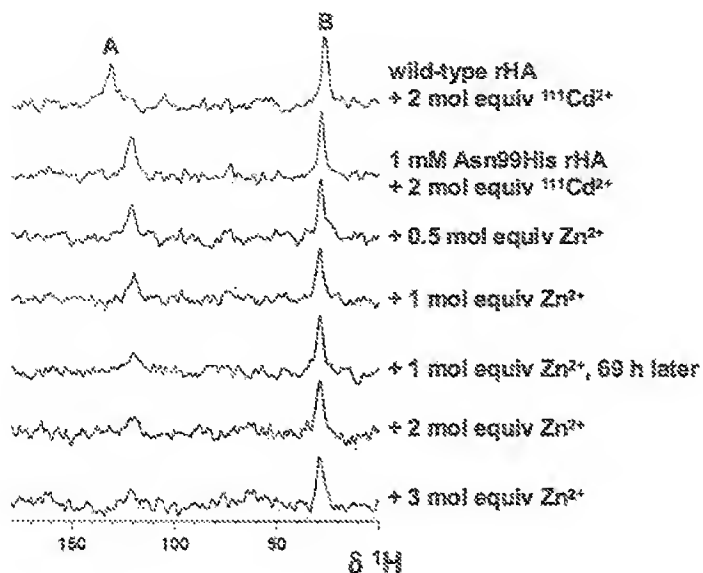


Figure 10

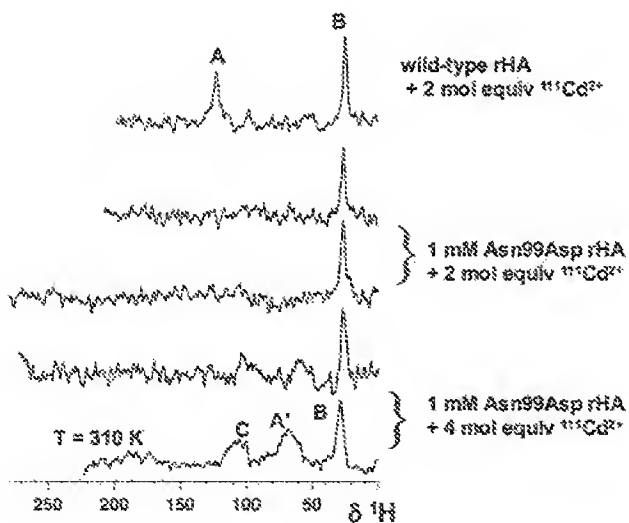


Figure 11

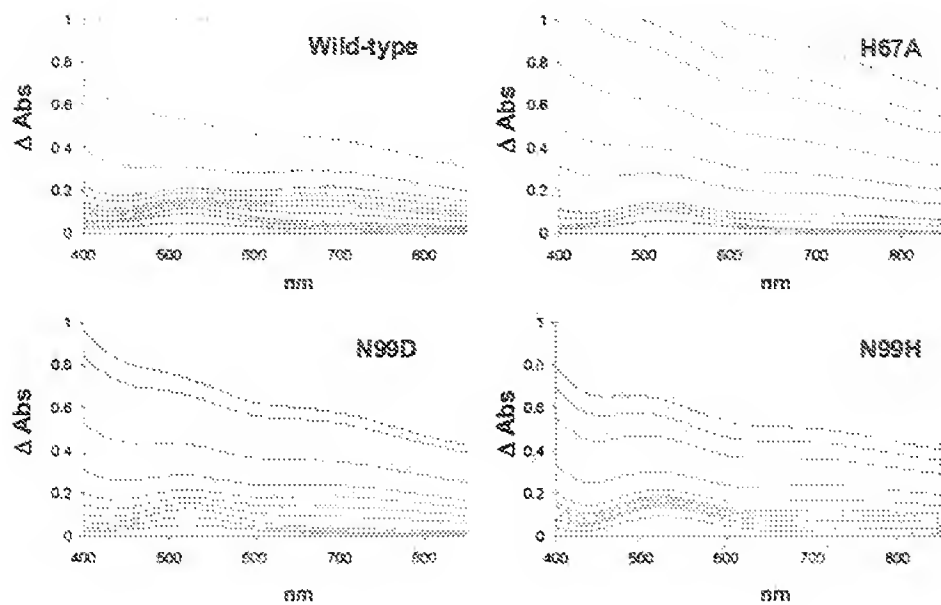


Figure 12

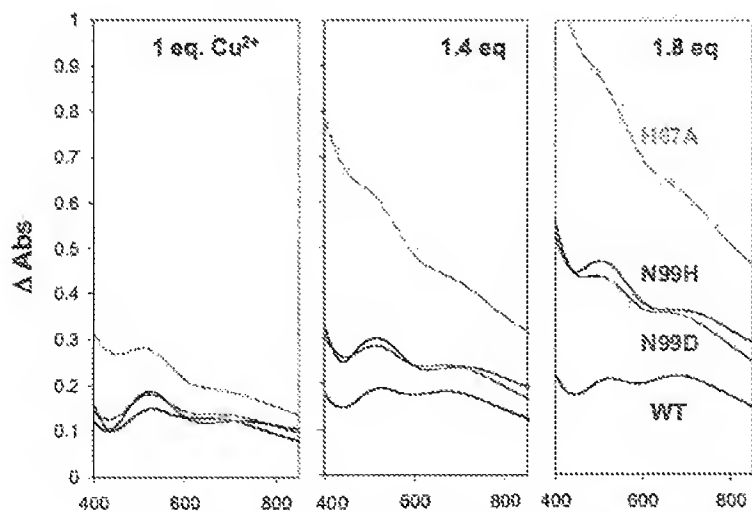


Figure 13

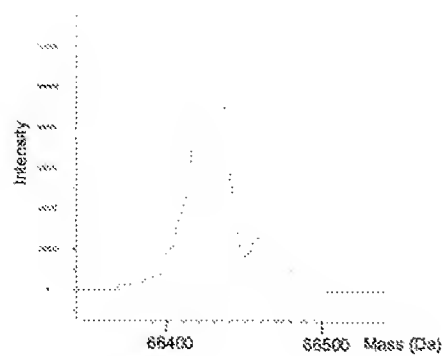


Figure 14

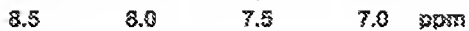


Figure 15

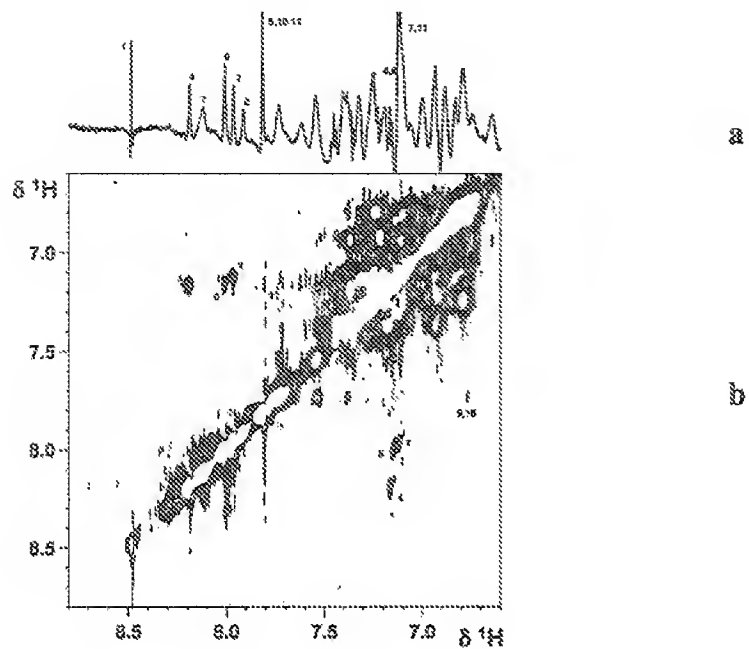


Figure 16

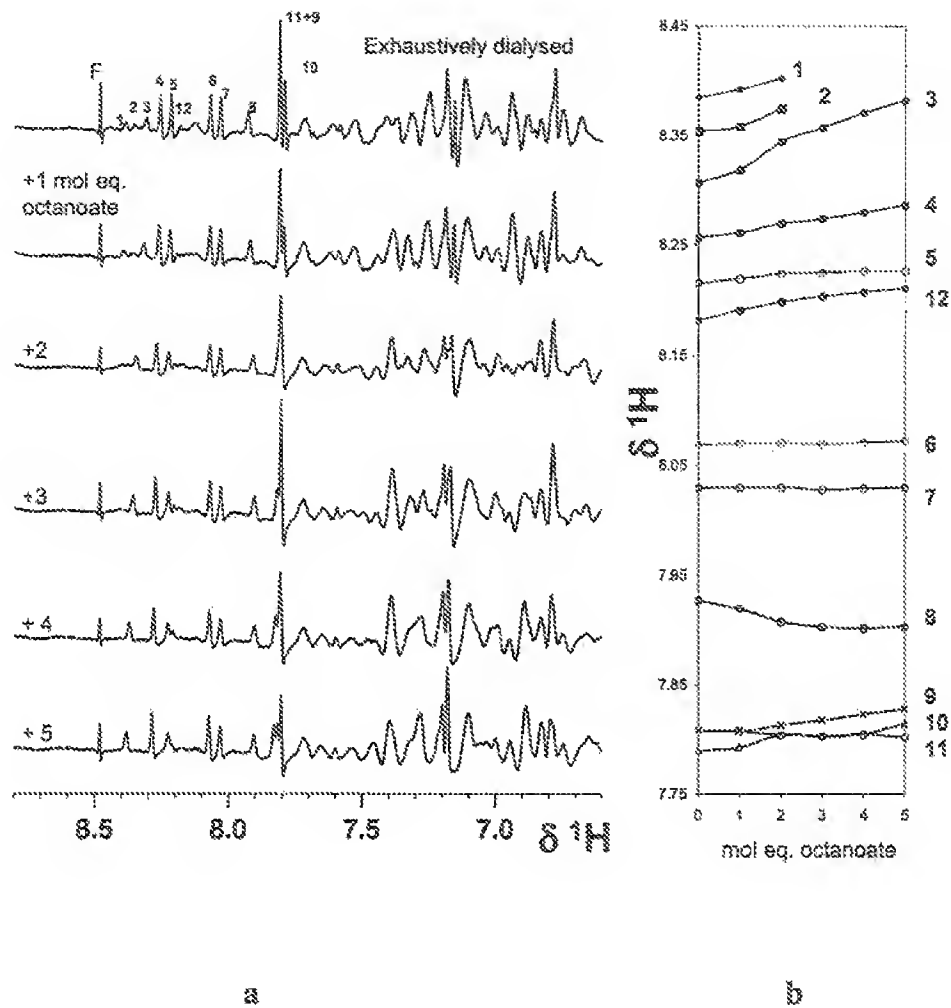


Figure 17a

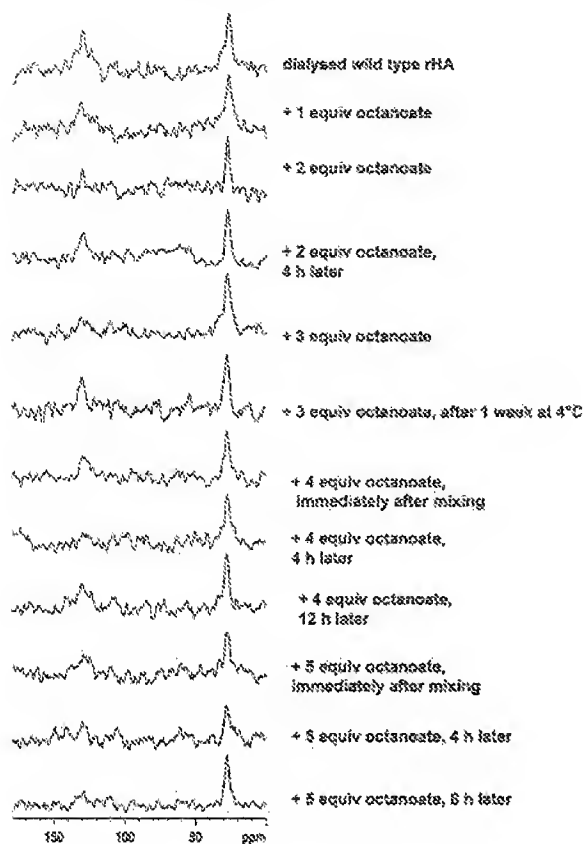


Figure 17b

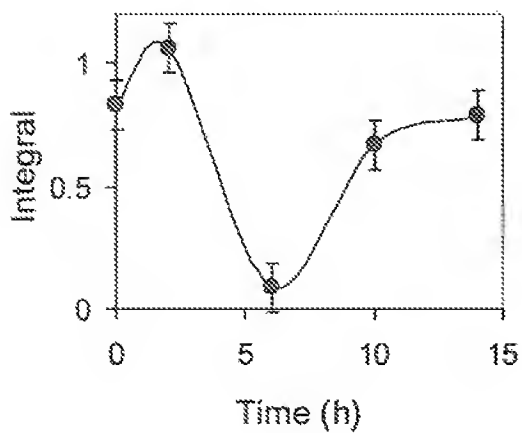


Figure 18a

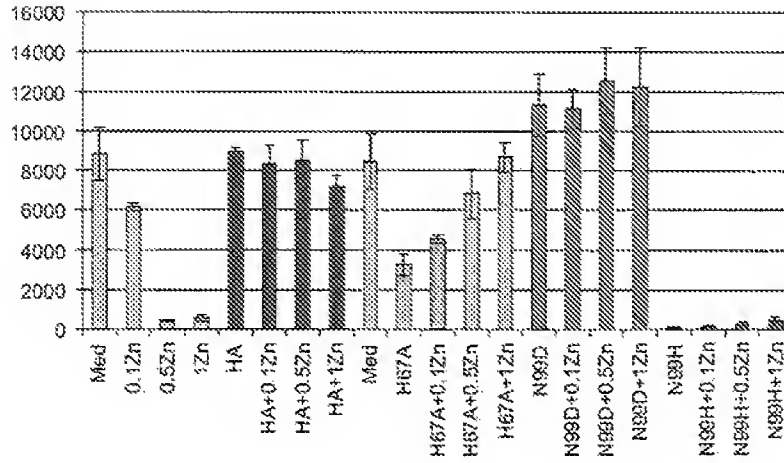


Figure 18b

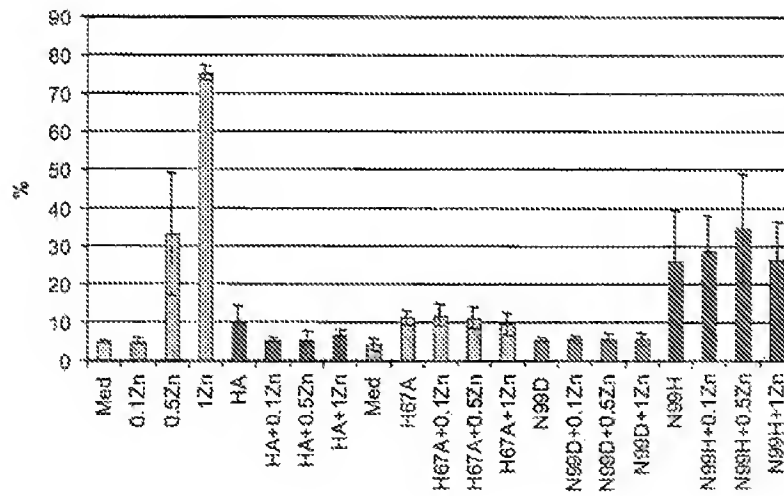


Figure 18c

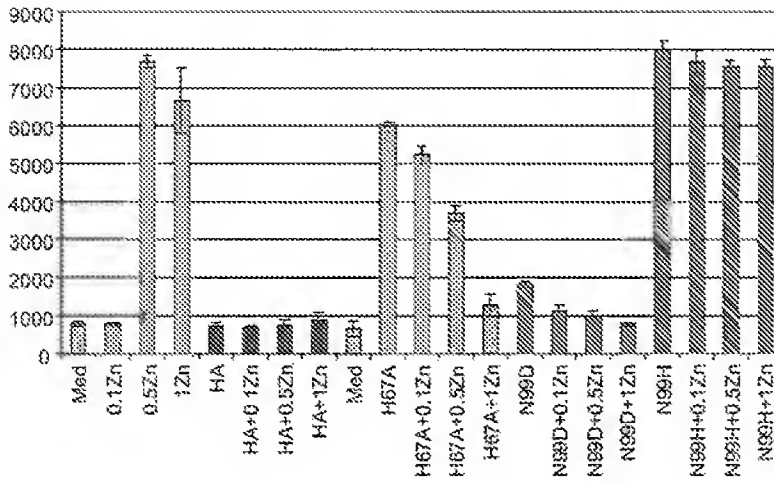


Figure 18d

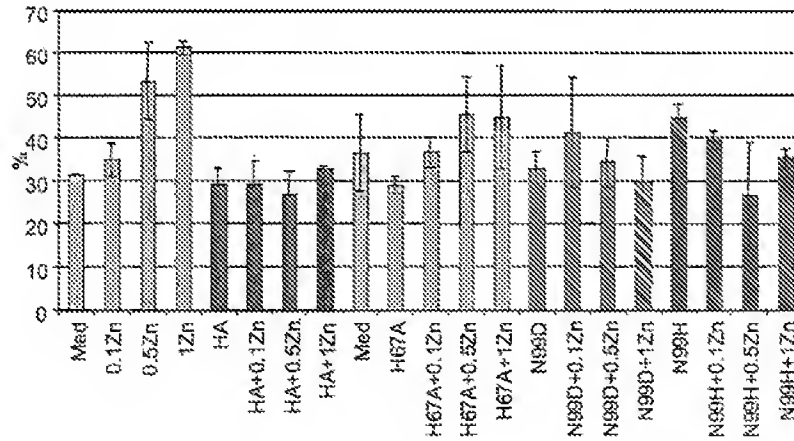
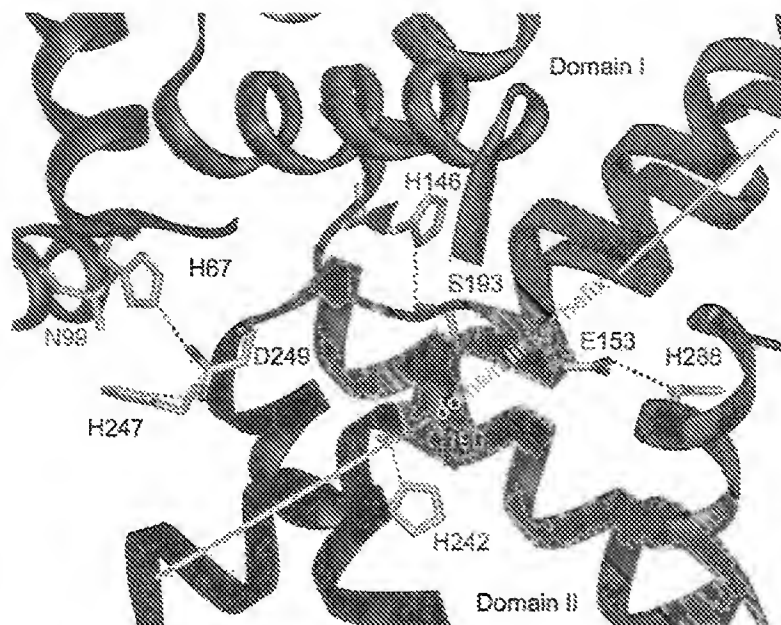


Figure 19



Appl. No.: 10/523,312
Reply to OA dated March 24, 2008
REPLACEMENT SHEET
20/21

Figure 20a

HUMAN	MKWVTFISLLFLFSSAYSRGVFRPDANKSEVAHRPKDLGEENFKALVLI AFAQYLQCCPF	60
MACAQUE	-----LLFLFSSAYSRGVFRPDTHKSEVAHRPKDLGEENFKGLVLVAFSCYLQCCPF	52
CANINE	MKWVTFISLFFLFSSAYSRGVFRPEAYKSEIAHRYNDLGEENFKGLVLVAFSCYLQCCPF	60
FELINE	MKWVTFISLILLFLFSSAYSRGVFRPEAHQSEIAHRFNDLGEENFKGLVLVAFSCYLQCCPF	60
BOVINE	MKWVTFISLILLFLFSSAYSRGVFRPDTHKSEIAHRRPKDLGEENFKGLVLVAFSCYLQCCPF	60
SHEEP	MKWVTFISLILLFLFSSAYSRGVFRPDTHKSEIAHRRPKDLGEENFKGLVLVAFSCYLQCCPF	60
PIG	--WVTFISLILLFLFSSAYSRGVFRPDYKSEIAHRRPKDLGEQYFKGLVLVAFSCYLQCCPF	58
RABBIT	MKWVTFISLILLFLFSSAYSRGVFRPEAHKSEIAHRRFNDVGEENFKGLVLITFSCYLQCCPF	60
RAT	MKWVTFILLLLFISGSASFSGVFRPEAHKSEIAHRRFDIAGQHFKGLVLVAFSCYLQCCPF	60
K ₁		
HUMAN	EDHVKLNVNEVTEFAKTCVADESANCDKSLHTLFGDKLCTVATLRETYGEMADCCAKQEP	120
MACAQUE	EEHVKLNVNEVTEFAKTCVADESANCDKSLHTLFGDKLCTVATLRETYGEMADCCAKQEP	112
CANINE	EDHVKLAKEVTEFAKACAAEESGANCCKSLHTLFGDKLCTVATLRADKYGDMADCCCKQEP	120
FELINE	EDHVKLNVNEVTEFAKGCVAQSAANCEKSLHLLGDKLCTVATLRADKYGEMADCCCKQEP	120
BOVINE	EDHVKLNVNEVTEFAKTCVADESANCDKSLHTLFGDKLCTVATLRADKYGEMADCCCKQEP	120
SHEEP	EDHVKLNVNEVTEFAKTCVADESANCDKSLHTLFGDKLCTVATLRADKYGEMADCCCKQEP	120
PIG	EEHVKLNVNEVTEFAKTCVADESANCDKSLHTLFGDKLCTVATLRADKYGEMADCCCKQEP	116
RABBIT	EEHVKLNVNEVTEFAKTCVADESANCDKSLHTLFGDKLCTVATLRADKYGEMADCCCKQEP	120
RAT	EEHVKLNVNEVTEFAKTCVADESANCDKSLHTLFGDKLCTVATLRADKYGEMADCCCKQEP	120
K ₂ K ₃		
HUMAN	ERNECFLOHKKDNDPFLPVRPEVDMCTAFHDMNEETFLKLYLXIARRHPFYFAPPELLF	180
MACAQUE	ERNECFLOHKKDNDPFLPVRPEVDMCTAFHDMNEETFLKLYLXIARRHPFYFAPPELLF	172
CANINE	DRNECFLOHKKDNDPFLPVRPEVDMCTAFHDMNEETFLKLYLXIARRHPFYFAPPELLF	180
FELINE	ERNECFLOHKKDNDPFLPVRPEVDMCTAFHDMNEETFLKLYLXIARRHPFYFAPPELLF	180
BOVINE	ERNECFLOHKKDNDPFLPVRPEVDMCTAFHDMNEETFLKLYLXIARRHPFYFAPPELLF	179
SHEEP	ERNECFLOHKKDNDPFLPVRPEVDMCTAFHDMNEETFLKLYLXIARRHPFYFAPPELLF	179
PIG	ERNECFLOHKKDNDPFLPVRPEVDMCTAFHDMNEETFLKLYLXIARRHPFYFAPPELLF	177
RABBIT	ERNECFLOHKKDNDPFLPVRPEVDMCTAFHDMNEETFLKLYLXIARRHPFYFAPPELLF	180
RAT	ERNECFLOHKKDNDPFLPVRPEVDMCTAFHDMNEETFLKLYLXIARRHPFYFAPPELLF	180
X ₂ X ₃ X ₄		
HUMAN	ARLSQRFPPKAEFAEVSKIVTDLTQVHTECCGGDLLECADDRADLAKYICENQDSISSKLE	300
MACAQUE	ARLSQRFPPKAEFAEVSKIVTDLTQVHTECCGGDLLECADDRADLAKYICENQDSISSKLE	292
CANINE	ARLSQRFPPKADFAISIKVVTDLTKVHKECCGGDLLECADDRADLAKYICENQDSISSKLE	300
FELINE	ARLSQRFPPKAEFAEVSKIVTDLTQVHTECCGGDLLECADDRADLAKYICENQDSISSKLE	300
BOVINE	ARLSQRFPPKAEFAEVSKIVTDLTQVHTECCGGDLLECADDRADLAKYICENQDSISSKLE	299
SHEEP	ARLSQRFPPKADFTDVTIKIVTDLTQVHTECCGGDLLECADDRADLAKYICENQDSISSKLE	299
PIG	ARLSQRFPPKADFTDVTIKIVTDLTQVHTECCGGDLLECADDRADLAKYICENQDSISSKLE	297
RABBIT	ARLSQRFPPKADFTDVTIKIVTDLTQVHTECCGGDLLECADDRADLAKYICENQDSISSKLE	300
RAT	ARLSQRFPPKADFTDVTIKIVTDLTQVHTECCGGDLLECADDRADLAKYICENQDSISSKLE	300
K ₁ K ₂ K ₃ K ₄		
HUMAN	ECCEKFLLEKSHCIAEVENDEMPADLPILAADFVSKDVCNKYAEAKDVFLGMFLYFYER	360
MACAQUE	ECCEKFLLEKSHCIAEVENDEMPADLPILAADFVSKDVCNKYAEAKDVFLGMFLYFYER	352
CANINE	ECCEKFLLEKSHCIAEVENDEMPADLPILAADFVSKDVCNKYAEAKDVFLGMFLYFYER	360
FELINE	ECCEKFLLEKSHCIAEVENDEMPADLPILAADFVSKDVCNKYAEAKDVFLGMFLYFYER	360
BOVINE	ECCEKFLLEKSHCIAEVENDEMPADLPILAADFVSKDVCNKYAEAKDVFLGMFLYFYER	359
SHEEP	ECCEKFLLEKSHCIAEVENDEMPADLPILAADFVSKDVCNKYAEAKDVFLGMFLYFYER	359
PIG	ECCEKFLLEKSHCIAEVENDEMPADLPILAADFVSKDVCNKYAEAKDVFLGMFLYFYER	357
RABBIT	ECCEKFLLEKSHCIAEVENDEMPADLPILAADFVSKDVCNKYAEAKDVFLGMFLYFYER	360
RAT	ECCEKFLLEKSHCIAEVENDEMPADLPILAADFVSKDVCNKYAEAKDVFLGMFLYFYER	360

